

**UNITED STATES DEPARTMENT OF COMMERCE  
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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09/501,084 02/09/00 NAITO

Y 36856.260

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MM91/0321

EXAMINER
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JOSEPH R. KEATING ESQ.  
KEATING & BENNETT, LLP  
10400 EATON PLACE, SUITE 312  
FAIRFAX VA 22030

DINKINS, A	PAPER NUMBER
ART UNIT	

2831  
DATE MAILED:#7/A  
03/21/01

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner of Patents and Trademarks



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

NOTICE OF ALLOWANCE AND ISSUE FEE DUE

MM91/0321

JOSEPH R. KEATING ESQ.  
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APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
09/501,084	02/09/00	060	DINKINS, A	2831 03/21/01
First Named Applicant	NAITO, 35 USC 154(b) term ext. = 0 Days.			

TITLE OF INVENTION MULTILAYER CAPACITOR

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
3 36856.260	361-306.300	D81	UTILITY	NO	\$1240.00	06/21/01

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B-Issue Fee Transmittal should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B Issue Fee Transmittal should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "4b" of Part B-Issue Fee Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give application number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

PATENT AND TRADEMARK OFFICE COPY

# Notice of Allowability

Application No.

09/501,084

Examiner

Anthony Dinkins

Applicant(s)

NAITO ET AL.

Art Unit

2831

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance and Issue Fee Due or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/9/00.
2. ☒ The allowed claim(s) is/are 1-60.
3. ☐ The drawings filed on \_\_\_\_\_ are acceptable as formal drawings.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☒ Certified copies of the priority documents have been received in Application No. 09/042,379.
    3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e).

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE FOR SUBMITTING NEW FORMAL DRAWINGS, OR A SUBSTITUTE OATH OR DECLARATION.** This three-month period for complying with the REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL is extendable under 37 CFR 1.136(a).

6. ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
7. ☒ Applicant MUST submit NEW FORMAL DRAWINGS
  - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings. The drawings should be filed as a separate paper with a transmittal letter addressed to the Official Draftsperson.

8. ☐ Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Any reply to this letter should include, in the upper right hand corner, the APPLICATION NUMBER (SERIES CODE / SERIAL NUMBER). If applicant has received a Notice of Allowance and Issue Fee Due, the ISSUE BATCH NUMBER and DATE of the NOTICE OF ALLOWANCE should also be included.

### Attachment(s)

- |  |   |
|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)  | 2 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)          |
| 3 <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)           | 4 <input checked="" type="checkbox"/> Interview Summary (PTO-413), Paper No. _____  |
| 5 <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449), Paper No. <u>2.5</u> | 6 <input checked="" type="checkbox"/> Examiner's Amendment/Comment                  |
| 7 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material   | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
|  | 9 <input type="checkbox"/> Other  |



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**EXAMINER'S AMENDMENT**

A

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Christopher A. Bennett on March 19, 2001.

The application has been amended as follows:

- Claim ~~11~~, line 3, delete "substantially rectangular".
- Claim ~~14~~, line 1, after "wherein" delete ".".
- Claim ~~24~~, line 1, after "capacitor" insert --device--.
- Claim ~~24~~, line 2, after "capacitor" insert --device--.
- Claim ~~25~~, line 1, after "capacitor" insert --device--.
- Claim ~~26~~, line 2, after "capacitor" insert --device--.
- Claim ~~27~~, line 1, after "capacitor" insert --device--.
- Claim ~~28~~, line 7, delete "generally".
- Claim ~~28~~, line 10, delete "generally".
- Claim ~~29~~, line 1, after "capacitor" insert --device--.
- Claim ~~30~~, line 1, after "capacitor" insert --device--.
- Claim ~~31~~, line 1, after "capacitor" insert --device--.
- Claim ~~32~~, line 1, after "capacitor" insert --device--.
- Claim ~~32~~, line 1, after "capacitor" insert --device--.

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- Claim ~~34~~, line 1, after "capacitor" insert --device--.
- Claim ~~37~~, line 3, delete "substantially rectangular".
- Claim ~~37~~, line 5, delete "substantially rectangular".
- Claim ~~38~~, line 1, after "capacitor" insert --device--.
- Claim ~~39~~, line 1, after "capacitor" insert --device--.
- Claim ~~40~~, line 1, after "capacitor" insert --device--.
- Claim ~~47~~, line 1, after "capacitor" insert --device--.
- Claim ~~47~~, line 2, after "capacitor" insert --device--.
- Claim ~~48~~, line 1, after "capacitor" insert --device--.
- Claim ~~49~~, line <sup>2</sup>~~1~~, after "capacitor" insert --device--.
- Claim ~~56~~, line 3, change "MPU" to --microprocessing unit--.
- Claim ~~58~~, line 1, after "substrate" insert --including the monolithic capacitor--.
- Claim ~~58~~, line 1, change "MPU" to --microprocessing unit--.

***Allowable Subject Matter***

2. The following is an examiner's statement of reasons for allowance:
3. Regarding claims 1-50, the allowability in combination with the other claimed features is because nowhere in the prior art is there a multilayer capacitor device having at least one of the lead structures of the first and second electrode plates that have a ration L/W is equal to about 3 or less. Regarding claims 51-60, the allowability in combination with the other claimed features is because nowhere in the prior art is there a monolithic capacitor having the ration L/W of the length L to the width W of a least one of the first and second lead electrodes is within the range of about 0.4 to about 3.0.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Dinkins whose telephone number is (703) 308-0488. The examiner can normally be reached on M-F (6:30-3:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine Kincaid can be reached on (703) 308-0640. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1782.

Anthony Dinkins  
Examiner  
Art Unit 2831

A handwritten signature in black ink, appearing to read 'Anthony Dinkins', with a stylized flourish extending to the right.

AD  
March 19, 2001